

ABSTRACT

The rotation angle-detecting device has a main rotator and two detecting rotators that rotate as the main rotator rotates. Each of the two detecting rotators has a magnet and a magnetic detector. As the detecting rotator 5 rotates, a change occurs in magnetic lines of force from the magnet. From the change, the magnetic detector detects rotation of the detecting rotator. According to the rotation detected, the device determines the rotation angle of the main rotator. In addition, a ring-shaped ferromagnetic body is disposed around the magnet or the magnetic detector of the detecting rotator. The 10 structure described above enables magnetic detection without disturbance in each magnetic field of the magnets, and even in a downsized structure, the device can detect the rotation angle with high accuracy.